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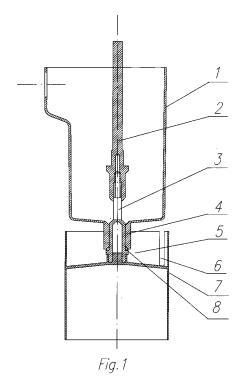
AL HR LT LV MK YU

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(54) Washing fluid dispensing device

(57) A washing fluid dosing device for toilet bowls to be placed inside toilet cisterns has a special mixing chamber (5) supplied by gravity with washing fluid from a fluid container (1) through a washing fluid metering nozzle located higher than the mixing chamber (5) and a valve controlling opening and closing said metering nozzle, said valve being provided with a vertical needle (3) the position of which is determined by a float (7) placed in the toilet cistern.





EUROPEAN SEARCH REPORT

Application Number EP 04 46 0052

Category	Citation of document with indicatio of relevant passages	n, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)	
X		ING-HSIUNG)			
	The present search report has been dr	awn up for all claims Date of completion of the search		Examiner	
Munich		16 November 2005	Gei	eisenhofer, M	
MUN1CN CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure		T : theory or principle u E : earlier patent docun after the filing date D : document cited in t L : document cited for c	T : theory or principle underlying the invention E : earlier patent document, but published on, or		



Application Number

EP 04 46 0052

The present European patent application comprised at the time of filing more than ten claims. Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s): No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims. LACK OF UNITY OF INVENTION The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely: see sheet B All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims. As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee. Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
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None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims: 1, 2



LACK OF UNITY OF INVENTION SHEET B

Application Number

EP 04 46 0052

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1,2

Details of the float (situated coaxially with the valve needle, lower than the mixing chamber)

2. claims: 1,3

Cross-section of the metering nozzle

3. claims: 1,4

Details of the metering nozzle (dimensions, ring seal, threaded mandrel at the upper tip)

4. claims: 1,5

Details of the mixing chamber (connection to needle, conical

geometry, drainage openings)

5. claims: 1,6

Details of the float (open-bottom cylinder, dimensions

compared to the mixing chamber)

6. claims: 1,7

Details of the washing fluid container (inverted conical

geometry)

7. claims: 1,8

Details of the metering nozzle (upper flange, further

dimensions, connection between needle and upper mandrel)

8. claims: 1,9

Details of the metering nozzle (cone-shaped, seat in the

face of its lower part)

9. claims: 1,10

Details of the float (torus shaped)



LACK OF UNITY OF INVENTION SHEET B

Application Number

EP 04 46 0052

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

10. claims: 1,11

Details of the float (material, location relative to the mixing chamber)

11. claims: 1,12

Detials of the valve needle (mandrel, length relatvie to the wash fluid container)

12. claims: 1,13

Details of the valve needle (threaded middle part)

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 04 46 0052

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

16-11-2005

Patent document cited in search report			Publication date	Patent family member(s)	Publication date
US	6496987	B1	24-12-2002	NONE	
				pean Patent Office, No. 12/82	